Case 1:98-cv-00080-SLR, Document 677-2 Filed 07/11/2005 Page Hoops and Stocking Stint Concept July 17,1989 A new design concept for a coronary stent was conceived This concept, consists of a series of thins, stiff in ally denne the length of the stent. The rings are held together by a porous, stocking-life mesh material, structurally thing stent would be similar to the human thorax or a vaccuum cleaner hase. thin flavore parkets is boodly reduble rings (motal, plantic?) 99 町 58 四 71 The stent's main feature is its limbelity, in it out of longitudinal plane bringing, Beliqueed of, this, it can the artery to transmit vibration, through lit. This stiff rings and the mesh work to hold they arthry or stenous ofen at In doing so loose flags in To defivery the stent to the stinuis in a balloon of the stent, during delivery, the stint can be collapsed fas shakin (in collapsed state rings are just pushed over) rings typed over

Tiping the rings over only atheries all profile reduction in one plane the rollaged for a keducid profile

I rollagued

In both cases, inflation of the delivery balloon erects the rings and stight into its discred operating configuration.

Other means of of obtaining a reduced profile include wring non-solid ring. For example, hinged rings or by tie-wrap

type mechanisms for locking as

dings can be coiled into a collapsed state. Indintations in teeth on the surfaces can provide a locking mechanism which holdsthe ring diameter constant and also provides a funding or alignment mechanism.

For example:

Sepel Janal 9/11/89 Lilip Law 7/17/1989